

#### ABSTRACT OF THE DISCLOSURE

The preparation of concentrated solutions of oxime metal extractants, such as aldoximes and ketoximes, or mixtures of  
5 aldoxime and ketoxime, and the use thereof in formulating or preparing extraction reagent compositions for use in an extractant organic phase in a process of extracting metals from aqueous solutions containing metal values; and in particular, to concentrates which are solutions of individual  
10 ketoxime or aldoxime or mixtures of water-insoluble hydroxy aldoximes and ketoximes, in varying ratios by weight of 1:100 aldoxime to ketoxime, or conversely, 100:1 ketoxime to aldoxime, in water-immiscible hydrocarbon solvents or equilibrium modifiers. The invention also provides for  
15 maintaining stability of concentrates determined by accelerating rate calorimetry to define the ranges of oxime concentration and volume whereby the concentrate will be a stable, flowable, pourable and pumpable concentrate which can be safely stored long term. The extraction compositions may  
20 also optionally contain equilibrium modifiers or kinetic additives.